

Fig. 1

```
100    SDO_GEOASTER object type:  
110    CREATE TYPE sdo_georaster AS OBJECT (  
102        rasterType NUMBER,  
104        spatialExtent SDO_GEOMETRY,  
106        rasterDataTable VARCHAR2(32),  
108        rasterID NUMBER,  
        metadata XMLType);
```

Fig. 2

```
200    SDO_RASTER object type:  
206    CREATE TYPE sdo_raster AS OBJECT (  
208        rasterID NUMBER,  
210        pyramidLevel NUMBER,  
212        bandBlockNumber NUMBER,  
214        rowBlockNumber NUMBER,  
204        columnBlockNumber NUMBER,  
202        blockMBR SDO_GEOMETRY,  
        rasterBlock BLOB);
```

Fig. 3

GeoRaster system data table:

```
300 → CREATE TABLE SDO_GEOR_SYSDATA_TABLE
  (
302   SDO_OWNER          VARCHAR2(32),
304   GEORASTER_TABLE_NAME VARCHAR2(32) NOT NULL,
306   GEORASTER_COLUMN_NAME VARCHAR2(1024) NOT NULL,
308   GEOR_METADATA_COLUMN_NAME VARCHAR2(1024),
310   RDT_TABLE_NAME      VARCHAR2(32),
312   RASTER_ID           NUMBER,
314   OTHER_TABLE_NAMES   SDO_STRING_ARRAY,
                           CONSTRAINT unique_georasters
                           PRIMARY KEY (SDO_OWNER, RDT_TABLE_NAME, RASTER_ID)
);
```

Fig. 4

400 → USER_SDO_GEO_R_SYS DATA view definition:

```
{  
  TABLE_NAME VARCHAR2(32),  
  COLUMN_NAME VARCHAR2(1024),  
  METADATA_COLUMN_NAME VARCHAR2(1024),  
  RDT_TABLE_NAME VARCHAR2(32),  
  RASTER_ID NUMBER,  
  OTHER_TABLE_NAMES SDO_STRING_ARRAY  
};
```

Fig. 5

500 → ALL_SDO_GEOR_SYS DATA view definition:

```
(  
  OWNER VARCHAR2(32),  
  TABLE_NAME VARCHAR2(32),  
  COLUMN_NAME VARCHAR2(1024),  
  METADATA_COLUMN_NAME VARCHAR2(1024),  
  RDT_TABLE_NAME VARCHAR2(32),  
  RASTER_ID NUMBER,  
  OTHER_TABLE_NAMES SDO_STRING_ARRAY  
);
```

Fig. 6

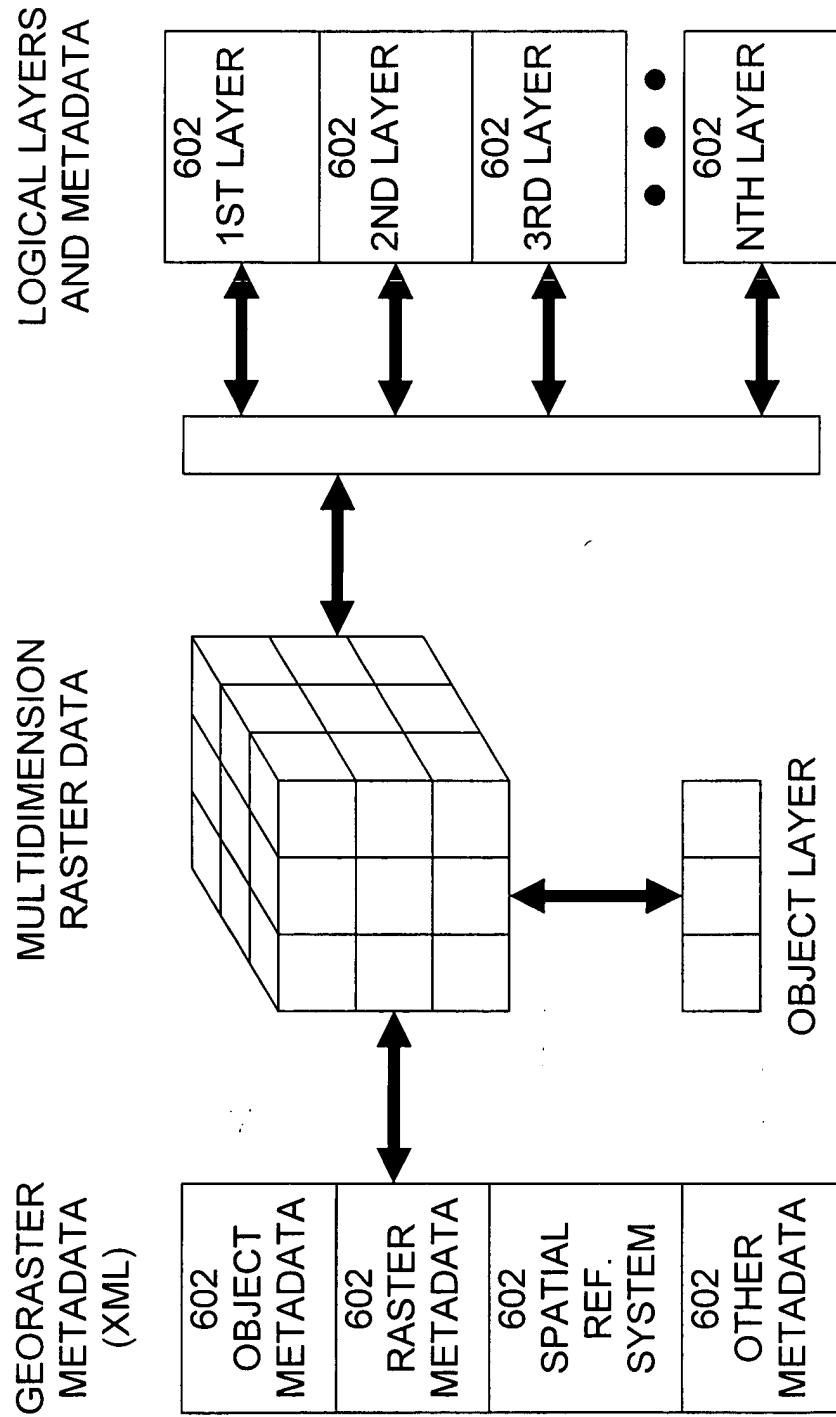


Fig. 7

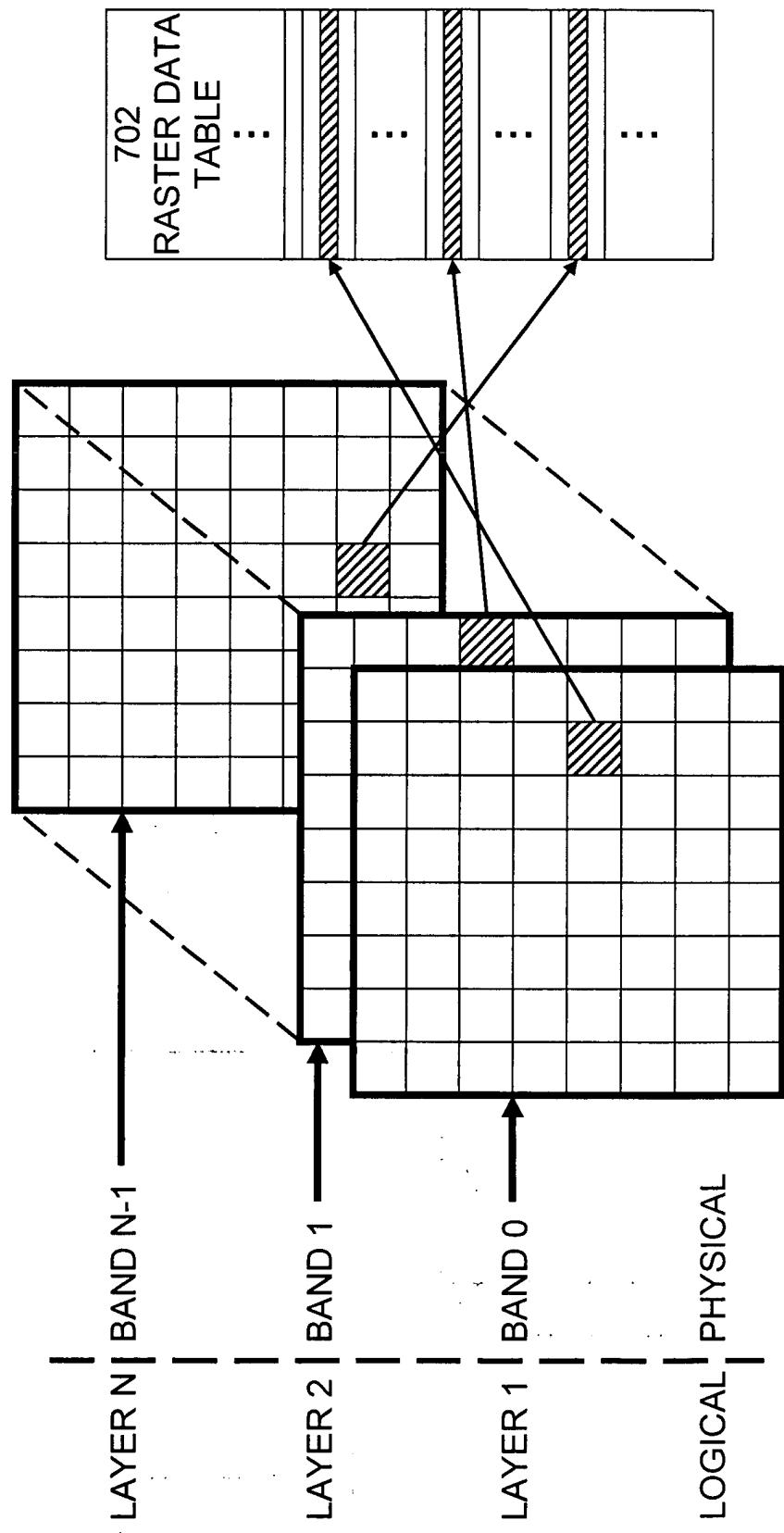


Fig. 8

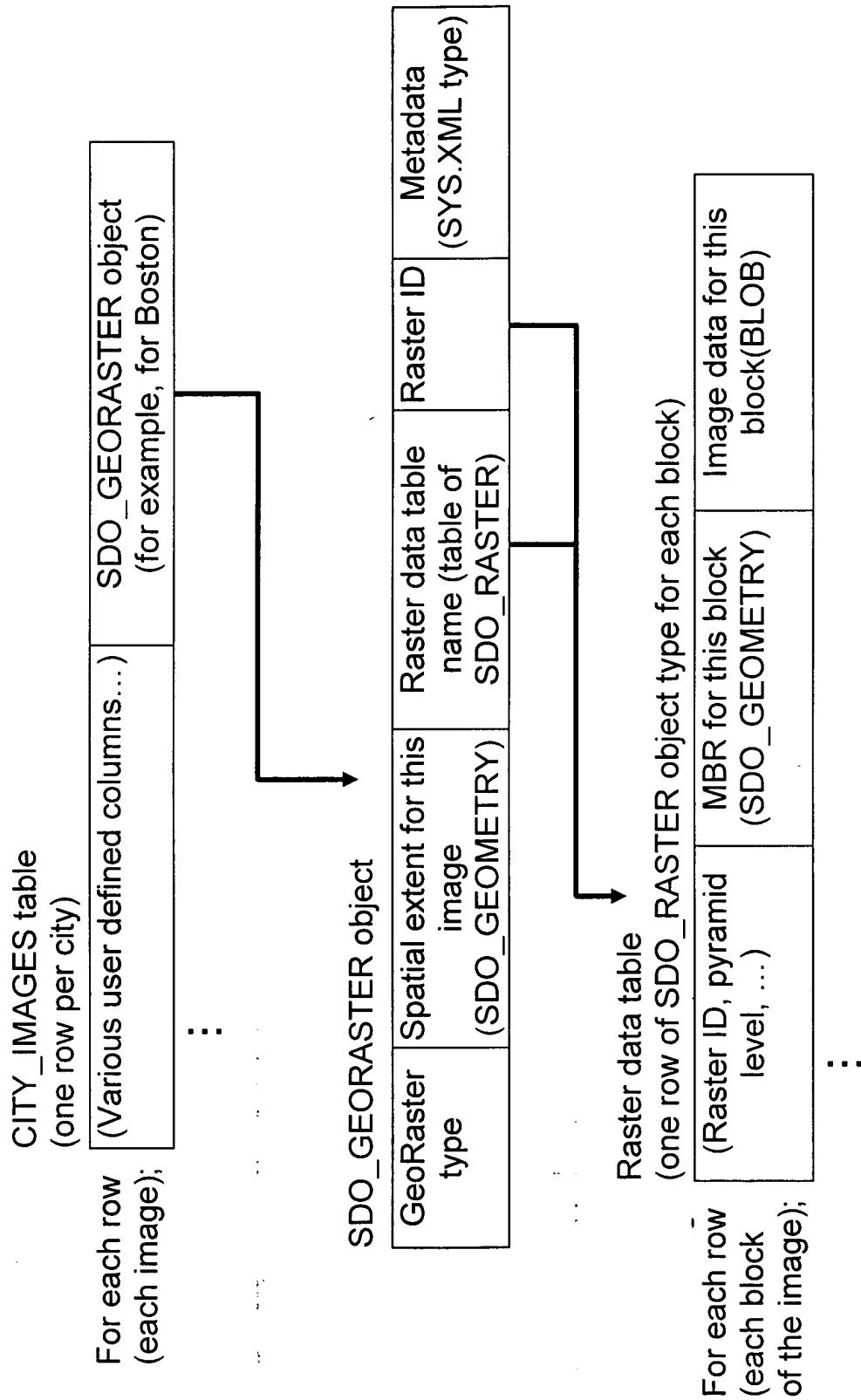


Fig. 9

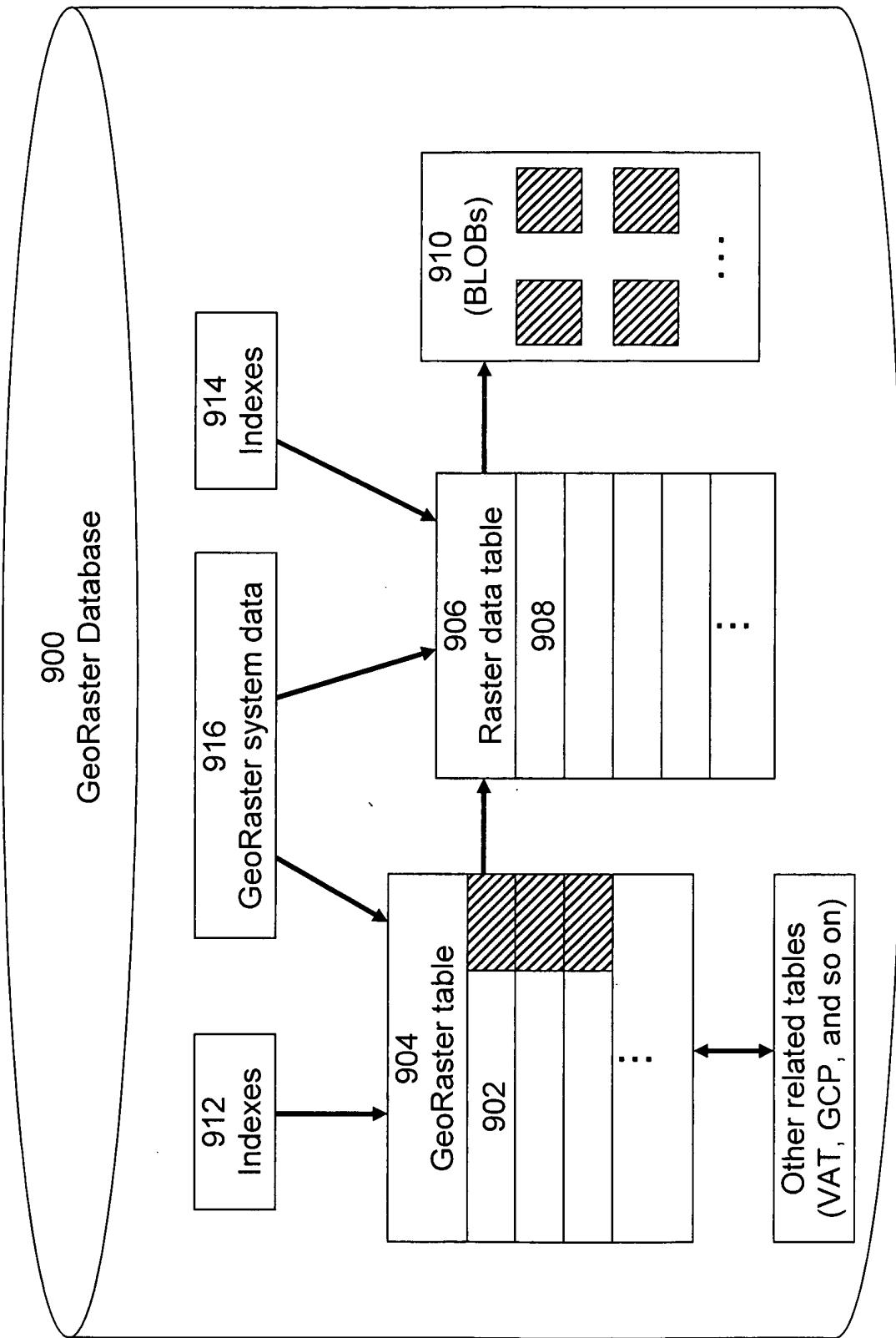


Fig. 10

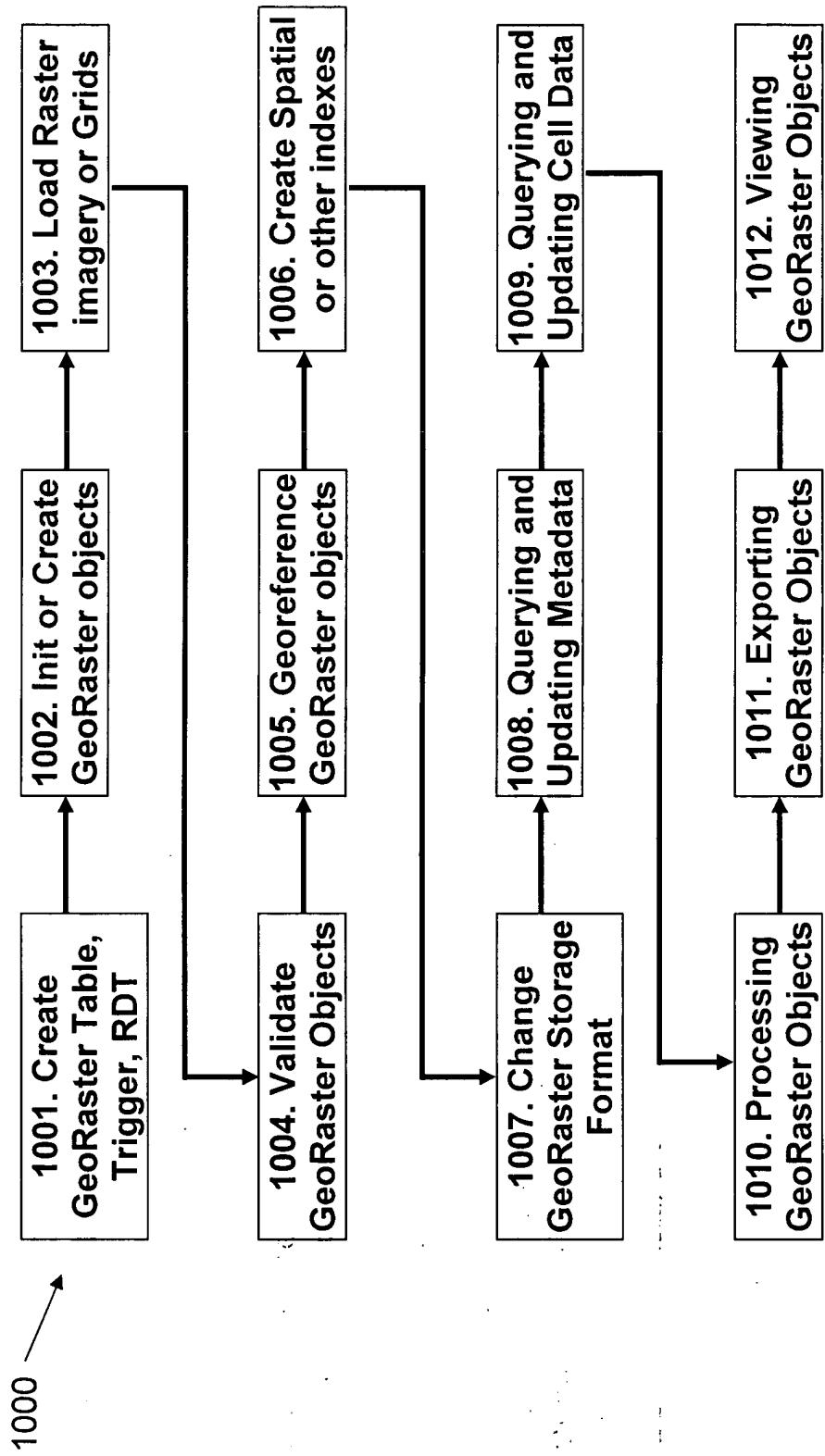


Fig. 11

